



09-30-04

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/801,906
Filing Date	March 16, 2004
First Named Inventor	Melkent, et al.
Art Unit	3731
Examiner Name	To Be Assigned
Attorney Docket Number	5074A-000010/DVB

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1449 Form (22 sheets); one (1) Other Document; and return postcard.
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Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	Richard W. Warner	Reg. No.	38,043
Signature					
Date	Sept. 29, 2004				

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Richard W. Warner	Express Mail Label No.	EV 531 990 017 US (9/29/2004)
Signature		Date	Sept. 29, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 531 990 017 US



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/801,906

Filing Date: March 16, 2004

Applicant: Melkent, et al.

Group Art Unit: 3731

Examiner: To Be Assigned

Title: MULTIPLE CANNULA IMAGE GUIDED TOOL FOR
IMAGE GUIDED PROCEDURES

Attorney Docket: 5074A-000010/DVB

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. ____ Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cross-referenced pending U.S. application listed below in Section IV, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. X Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were

previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number
09/795,126 (USPN 6,725,080)

U.S. Filing Date
03/01/01 (Iss'd 04/20/04)

C. X Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

D. ____ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. X Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ____ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ____ See the attached foreign patent office communication from a counterpart foreign application.
2. ____ English translations are provided.
3. ____ Other:

C. ____ The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ____ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A. 37 C.F.R. § 1.97(b): (check only one box)

1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2. within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3. X before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
4. before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. 37 C.F.R. § 1.97(c): (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
2. See the certification below. No fee is required.

C. 37 C.F.R. § 1.97(d):

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A. ____ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F. R. 1.704(d) below in section VII, if applicable; or

B. ____ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ____ Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

____ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

A. ____ A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. ____ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.


The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: Sept. 29, 2007

By: 
Richard W. Warner
Reg. No. 38,043

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600
RWAR/jld



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 22

ATTORNEY DOCKET No.	SERIAL No.
5074A-000010/DVB	10/801,906
APPLICANT	
Melkent, et al.	
FILING DATE	GROUP
March 16, 2004	3731

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		D357,534	04/1995	Hayes		
2.		D359,557	06/1995	Hayes		
3.		RE35,816	06/1998	Schulz		
4.		2,407,845	09/1946	Nemeyer		
5.		2,650,588	09/1953	Drew		
6.		3,674,014	07/1972	Tillander		
7.		3,702,935	11/1972	Carey, et al.		
8.		3,704,707	12/1972	Halloran		
9.		3,847,157	11/1974	Caillouette, et al.		
10.		3,868,565	02/1975	Kuipers		
11.		3,941,127	03/1976	Froning		
12.		4,037,592	07/1977	Kronner		
13.		4,054,881	10/1977	Raab		
14.		4,058,114	11/1977	Soldner		
15.		4,173,228	11/1979	Van Steenwyk, et al.		
16.		4,202,349	05/1980	Jones		
17.		4,259,725	03/1981	Andrews, et al.		
18.		4,314,251	02/1982	Raab		
19.		4,317,078	02/1982	Weed, et al.		
20.		4,339,953	07/1982	Iwasaki		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 2 of 22	ATTORNEY DOCKET NO.	SERIAL No.
	5074A-000010/DVB	10/801,906
	APPLICANT	
	Melkent, et al.	
	FILING DATE	GROUP
	March 16, 2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
21.		4,383,527	05/1983	Asnis, et al.		
22.		4,396,945	08/1983	DiMatteo, et al.		
23.		4,418,422	11/1983	Richter, et al.		
24.		4,419,012	12/1983	Stephenson, et al.		
25.		4,422,041	12/1983	Lienau		
26.		4,431,005	02/1984	McCormick		
27.		4,465,069	08/1984	Barbier, et al.		
28.		4,485,815	12/1984	Amplatz, et al.		
29.		4,571,834	02/1986	Fraser, et al.		
30.		4,572,198	02/1986	Codrington		
31.		4,608,977	09/1986	Brown		
32.		4,613,866	09/1986	Blood		
33.		4,618,978	10/1986	Cosman		
34.		4,621,628	11/1986	Brudermann		
35.		4,625,718	12/1986	Olerud, et al.		
36.		4,642,786	02/1987	Hansen		
37.		4,649,504	03/1987	Krouglicof, et al.		
38.		4,651,732	03/1987	Frederick		
39.		4,653,509	03/1987	Oloff, et al.		
40.		4,673,352	06/1987	Hansen		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 3 of 22	ATTORNEY DOCKET NO.		SERIAL No.
	5074A-000010/DVB		10/801,906
	APPLICANT		
	Melkent, et al.		
	FILING DATE		GROUP
	March 16, 2004		3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
41.		4,686,997	08/1987	Oloff, et al.		
42.		4,697,595	10/1987	Breyer, et al.		
43.		4,722,056	01/1988	Roberts, et al.		
44.		4,722,336	02/1988	Kim, et al.		
45.		4,737,794	04/1988	Jones		
46.		4,742,815	05/1988	Ninan, et al.		
47.		4,750,487	06/1988	Zanetti		
48.		4,791,934	12/1988	Brunnett		
49.		4,803,976	02/1989	Frigg, et al.		
50.		4,809,694	03/1989	Ferrara		
51.		4,821,731	04/1989	Martinelli, et al.		
52.		4,836,778	06/1989	Baumrind, et al.		
53.		4,841,967	06/1989	Chang, et al.		
54.		4,849,692	07/1989	Blood		
55.		4,875,478	10/1989	Chen		
56.		4,896,673	01/1990	Rose, et al.		
57.		4,905,698	03/1990	Strohl, Jr., et al.		
58.		4,945,305	07/1990	Blood		
59.		4,945,914	08/1990	Allen		
60.		4,989,608	02/1991	Ratner		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 4 of 22	ATTORNEY DOCKET NO.	SERIAL No.
	5074A-000010/DVB	10/801,906
	APPLICANT	
	Melkent, et al.	
	FILING DATE	GROUP
	March 16, 2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
61.		4,991,579	02/1991	Allen		
62.		5,005,592	04/1991	Cartmell		
63.		5,013,317	05/1991	Cole, et al.		
64.		5,016,639	05/1991	Allen		
65.		5,030,222	07/1991	Calandrucchio, et al.		
66.		5,031,203	07/1991	Trecha		
67.		5,042,486	08/1991	Pfeiler, et al.		
68.		5,047,036	09/1991	Koutrouvelis		
69.		5,054,492	10/1991	Scribner, et al.		
70.		5,059,789	10/1991	Salcudean		
71.		5,078,140	01/1992	Kwoh		
72.		5,080,662	01/1992	Paul		
73.		5,086,401	02/1992	Glassman, et al.		
74.		5,094,241	03/1992	Allen		
75.		5,097,839	03/1992	Allen		
76.		5,099,845	03/1992	Besz, et al.		
77.		5,119,817	06/1992	Allen		
78.		5,142,930	09/1992	Allen, et al.		
79.		5,154,179	10/1992	Ratner		
80.		5,160,337	11/1992	Cosman		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 5 of 22	ATTORNEY DOCKET NO.	SERIAL No.
	5074A-000010/DVB	10/801,906
	APPLICANT	
	Melkent, et al.	
	FILING DATE	GROUP
	March 16, 2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
81.		5,161,536	11/1992	Vilkomerson, et al.		
82.		5,178,164	01/1993	Allen		
83.		5,178,621	01/1993	Cook, et al.		
84.		5,186,174	02/1993	Schlöndorff, et al.		
85.		5,189,690	02/1993	Samuel		
86.		5,198,877	03/1993	Schulz		
87.		5,207,753	05/1993	Badrinath		
88.		5,211,164	05/1993	Allen		
89.		5,211,165	05/1993	Dumoulin, et al.		
90.		5,214,615	05/1993	Bauer		
91.		5,222,499	06/1993	Allen, et al.		
92.		5,230,338	07/1993	Allen, et al.		
93.		5,230,623,	07/1993	Guthrie, et al.		
94.		5,249,581	10/1993	Horbal, et al.		
95.		5,251,127	10/1993	Raab		
96.		5,251,635	10/1993	Dumoulin, et al.		
97.		5,253,647	10/1993	Takahashi, et al.		
98.		5,255,680	10/1993	Darrow, et al.		
99.		5,257,636	11/1993	White		
100.		5,261,404	11/1993	Mick, et al.		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 6 of 22	ATTORNEY DOCKET NO.		SERIAL No.
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	APPLICANT		
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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
101.		5,265,610	11/1993	Darrow, et al.		
102.		5,271,400	12/1993	Dumoulin, et al.		
103.		5,273,025	12/1993	Sakiyama, et al.		
104.		5,274,551	12/1993	Corby, Jr.		
105.		5,279,309	01/1994	Taylor, et al.		
106.		5,291,889	03/1994	Kenet, et al.		
107.		5,295,483	03/1994	Nowacki, et al.		
108.		5,299,254	03/1994	Dancer, et al.		
109.		5,299,288	03/1994	Glassman, et al.		
110.		5,305,203	04/1994	Raab		
111.		5,309,913	05/1994	Kormos, et al.		
112.		5,315,630	05/1994	Sturm, et al.		
113.		5,316,024	05/1994	Hirschi, et al.		
114.		5,318,025	06/1994	Dumoulin, et al.		
115.		5,325,873	07/1994	Hirschi, et al.		
116.		5,345,938	09/1994	Nishiki, et al.		
117.		5,353,795	10/1994	Souza, et al.		
118.		5,353,807	10/1994	DeMarco		
119.		5,359,417	10/1994	Müller, et al.		
120.		5,368,030	11/1994	Zinreich, et al.		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 7 of 22	ATTORNEY DOCKET NO.	SERIAL No.
	5074A-000010/DVB	10/801,906
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	Melkent, et al.	
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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
121.		5,369,678	11/1994	Chiu, et al.		
122.		5,371,778	12/1994	Yanof, et al.		
123.		5,375,596	12/1994	Twiss, et al.		
124.		5,377,678	01/1995	Dumoulin, et al.		
125.		5,386,828	02/1995	Owens, et al.		
126.		5,389,101	02/1995	Heilbrun, et al.		
127.		5,391,199	02/1995	Ben-Haim		
128.		5,397,329	03/1995	Allen		
129.		5,398,684	03/1995	Hardy		
130.		5,402,801	04/1995	Taylor		
131.		5,408,409	04/1995	Glassman, et al.		
132.		5,413,573	05/1995	Koivukangas		
133.		5,419,325	05/1995	Dumoulin, et al.		
134.		5,419,767	05/1995	Eggers, et al.		
135.		5,425,367	06/1995	Shapiro, et al.		
136.		5,425,382	06/1995	Golden, et al.		
137.		5,426,683	06/1995	O'Farrell, Jr., et al.		
138.		5,426,687	06/1995	Goddall, et al.		
139.		5,429,132	07/1995	Guy, et al.		
140.		5,437,277	08/1995	Dumoulin, et al.		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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141.		5,443,066	08/1995	Dumoulin, et al.		
142.		5,443,489	08/1995	Ben-Haim		
143.		5,445,144	08/1995	Wodicka, et al.		
144.		5,445,150	08/1995	Dumoulin, et al.		
145.		5,446,548	08/1995	Gerig, et al.		
146.		5,453,686	09/1995	Anderson		
147.		5,456,718	10/1995	Szymaitis		
148.		5,478,341	12/1995	Cook, et al.		
149.		5,478,343	12/1995	Ritter		
150.		5,480,422	01/1996	Ben-Haim		
151.		5,483,961	01/1996	Kelly, et al.		
152.		5,484,437	01/1996	Michelson		
153.		5,494,034	02/1996	Schlöndorff, et al.		
154.		5,513,637	05/1996	Twiss, et al.		
155.		5,515,160	05/1996	Schulz, et al.		
156.		5,517,990	05/1996	Kalfas, et al.		
157.		5,531,227	07/1996	Schneider		
158.		5,531,520	07/1996	Grimson, et al.		
159.		5,546,951	08/1996	Ben-Haim		
160.		5,551,429	09/1996	Fitzpatrick, et al.		

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161.		5,558,091	09/1996	Acker, et al.		
162.		5,568,809	10/1996	Ben-Haim		
163.		5,572,999	11/1996	Funda, et al.		
164.		5,575,798	11/1996	Koutrouvelis		
165.		5,583,909	12/1996	Hanover		
166.		5,588,430	12/1996	Bova, et al.		
167.		5,590,215	12/1996	Allen		
168.		5,592,939	01/1997	Martinelli		
169.		5,600,330	02/1997	Blood		
170.		5,603,318	02/1997	Heilbrun, et al.		
171.		5,606,980	03/1997	Calhoun, et al.		
172.		5,617,462	04/1997	Spratt		
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174.		5,622,169	04/1997	Golden, et al.		
175.		5,622,170	04/1997	Schulz		
176.		5,627,873	05/1997	Hanover, et al.		
177.		5,630,431	05/1997	Taylor		
178.		5,638,819	06/1997	Manwaring, et al.		
179.		5,640,170	06/1997	Anderson		
180.		5,642,395	06/1997	Anderton, et al.		

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U.S. PATENT DOCUMENTS						
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181.		5,645,065	07/1997	Shapiro, et al.		
182.		5,647,361	07/1997	Damadian		
183.		5,651,047	07/1997	Moorman, et al.		
184.		5,662,111	09/1997	Cosman		
185.		5,676,673	10/1997	Ferre, et al.		
186.		5,681,260	10/1997	Ueda, et al.		
187.		5,682,886	11/1997	Delp, et al.		
188.		5,682,890	11/1997	Kormos, et al.		
189.		5,694,945	12/1997	Ben-Haim		
190.		5,695,500	12/1997	Taylor, et al.		
191.		5,695,501	12/1997	Carol, et al.		
192.		5,697,377	12/1997	Wittkampf		
193.		5,713,946	02/1998	Ben-Haim		
194.		5,715,822	02/1998	Watkins, et al.		
195.		5,718,241	02/1998	Ben-Haim, et al.		
196.		5,727,552	03/1998	Ryan		
197.		5,727,553	03/1998	Saad		
198.		5,729,129	03/1998	Acker		
199.		5,730,129	03/1998	Darrow, et al.		
200.		5,732,703	03/1998	Kalfas, et al.		

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201.		5,740,802	04/1998	Nafis, et al.		
202.		5,742,394	04/1998	Hansen		
203.		5,744,953	04/1998	Hansen		
204.		5,748,767	05/1998	Raab		
205.		5,749,362	05/1998	Funda, et al.		
206.		5,749,835	05/1998	Glantz		
207.		5,752,513	05/1998	Acker, et al.		
208.		5,755,725	05/1998	Druais		
209.		5,758,667	06/1998	Slettenmark		
210.		5,762,064	06/1998	Polvani		
211.		5,762,629	06/1998	Kambin		
212.		5,767,669	06/1998	Hansen, et al.		
213.		5,767,960	06/1998	Orman		
214.		5,769,843	06/1998	Abela, et al.		
215.		5,769,861	06/1998	Vilsmeier		
216.		5,772,594	06/1998	Barrick		
217.		5,776,064	07/1998	Kalfas, et al.		
218.		5,782,765	07/1998	Jonkman		
219.		5,787,886	08/1998	Kelly, et al.		
220.		5,792,055	08/1998	McKinnon		

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221.		5,795,294	08/1998	Luber, et al.		
222.		5,797,849	08/1998	Vesely, et al.		
223.		5,799,055	08/1998	Peshkin, et al.		
224.		5,802,719	09/1998	O'Farrell, Jr., et al.		
225.		5,810,712	09/1998	Dunn		
226.		5,810,728	09/1998	Kuhn		
227.		5,817,106	10/1998	Real		
228.		5,820,553	10/1998	Hughes		
229.		5,823,958	10/1998	Truppe		
230.		5,828,770	10/1998	Leis, et al.		
231.		5,829,444	11/1998	Ferre, et al.		
232.		5,831,260	11/1998	Hansen		
233.		5,833,627	11/1998	Shmulewitz, et al.		
234.		5,834,759	11/1998	Glossop		
235.		5,836,954	11/1998	Heilbrun, et al.		
236.		5,840,025	11/1998	Ben-Haim		
237.		5,843,076	12/1998	Webster, Jr., et al.		
238.		5,848,967	12/1998	Cosman		
239.		5,851,183	12/1998	Bucholz		
240.		5,868,674	02/1999	Glowinski, et al.		

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241.		5,868,675	02/1999	Henrion, et al.		
242.		5,871,445	02/1999	Bucholz		
243.		5,873,822	02/1999	Ferre, et al.		
244.		5,882,304	03/1999	Ehnholm, et al.		
245.		5,884,410	03/1999	Prinz		
246.		5,891,034	04/1999	Bucholz		
247.		5,897,529	04/1999	Ponzi		
248.		5,904,691	05/1999	Barnett, et al.		
249.		5,907,395	05/1999	Schulz, et al.		
250.		5,913,820	06/1999	Bladen, et al.		
251.		5,920,395	07/1999	Schulz		
252.		5,921,992	07/1999	Costales, et al.		
253.		5,938,603	08/1999	Ponzi		
254.		5,947,981	09/1999	Cosman		
255.		5,954,647	09/1999	Bova, et al.		
256.		5,964,757	10/1999	Ponzi		
257.		5,967,982	10/1999	Barnett		
258.		5,971,997	10/1999	Guthrie, et al.		
259.		5,980,535	11/1999	Barnett, et al.		
260.		5,984,930	11/1999	Maciunas, et al.		

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
261.		5,987,349	11/1999	Schulz		
262.		5,987,960	11/1999	Messner, et al.		
263.		5,999,837	12/1999	Messner, et al.		
264.		5,999,840	12/1999	Grimson, et al.		
265.		6,006,126	12/1999	Cosman		
266.		6,006,127	12/1999	Van Der Brug, et al.		
267.		6,013,087	01/2000	Adams, et al.		
268.		6,016,439	01/2000	Acker		
269.		6,019,725	02/2000	Vesely, et al.		
270.		6,021,342	02/2000	Brabrand		
271.		6,021,343	02/2000	Foley, et al.		
272.		6,149,622	11/2000	Marie		
273.		6,226,548	05/2001	Foley, et al.		
274.		6,347,240	02/2002	Foley, et al.		
275.		6,470,207	10/2002	Simon, et al.		
276.		6,477,400	11/2002	Barrick		

FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.		WO88/09151	12/1988	PCT		

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FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No	
2.		WO91/03982	04/1991	PCT			
3.		WO91/07726	05/1991	PCT			
4.		WO92/06645	04/1992	PCT			
5.		WO94/04938	03/1994	PCT			
6.		WO94/23647	10/1994	PCT			
7.		WO94/24933	11/1994	PCT			
8.		WO95/07055	03/1995	PCT			
9.		WO96/11624	04/1996	PCT			
10.		WO96/32059	10/1996	PCT			
11.		WO97/31581	09/1997	PCT			
12.		WO97/36192	10/1997	PCT			
13.		WO97/40764	11/1997	PCT			
14.		WO97/49453	12/1997	PCT			
15.		WO98/38908	09/1998	PCT			
16.		WO99/15097	04/1999	PCT			
17.		WO99/21498	05/1999	PCT			
18.		WO99/23956	05/1999	PCT			
19.		WO99/26549	06/1999	PCT			
20.		WO99/27839	06/1999	PCT			
21.		WO99/29253	06/1999	PCT			

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FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
22.		WO99/33406	07/1999	PCT			
23.		WO99/38449	08/1999	PCT			
24.		WO99/52094	10/1999	PCT			
25.		WO00/01316	01/2000	PCT			
26.		38 38 011 A1	07/1989	Germany			
27.		42 25 112 C1	12/1993	Germany			
28.		197 15 202 A1	10/1998	Germany			
29.		198 32 296 A1	02/1999	Germany			
30.		0 456 103 A2	11/1991	EPO			
31.		197 47 427 A1	05/1999	Germany			
32.		0 427 358 A1	05/1991	EPO			
33.		0 655 138 B1	04/1998	EPO			
34.		37 17 871 A1	12/1988	Germany			
35.		37 17 871 C2	11/1989	Germany			
36.		44 32 890 A1	03/1996	Germany			
37.		0 930 046 A2	07/1999	EPO			
38.		197 51 761 A1	10/1998	Germany			
39.		0 155 857	09/1995	EPO			
40.		42 33 978 C1	04/1994	Germany			
41.		0 908 146 A2	04/1999	EPO			

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43.		0 359 773 B1	10/1993	EPO			
44.		0 419 729 A1	04/1991	EPO			
45.		0 950 379 A2	10/1995	Great Britain			
46.		0 894 473 A2	02/1999	EPO			
47.		0 755 660 A2	07/1996	Great Britain			
48.		0 469 966 A1	02/1992	EPO			
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1.		Adams, L., et al., "Orientation Aid For Head And Neck Surgeons," Innov. Tech. Bio. Med., vol. 13, No. 4, 1992, pp. 409-424.
2.		Adams, Ludwig, et al., "Computer-Assisted Surgery," IEEE Computer Graphics & Applications, May, 1990, pp.43-51.
3.		Barrick, E. Frederick, "Distal Locking Screw Insertion Using a Cannulated Drill Bit: Technical Note," Journal of Orthopaedic Trauma, vol. 7., No. 3, 1993, pp.248-251.
4.		Barrick, E. Frederick, et al. "Case Report Prophylactic Intramedullary Fixation of the Tibia for Stress Fracture in a Professional Athlete," Journal of Orthopaedic Trauma, vol. 6, No. 2, 1992, pp.241-244.
5.		Barrick, E. Frederick, et al., "Technical Difficulties With the Brooker-Wills Nail in Acute Fractures of the Femur," Journal of Orthopaedic Trauma, vol. 4, No. 2, 1990 Raven Press, Ltd., New York, pp. 144-150.

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6.		Benzel, Edward, C., et al., "Magnetic Source Imaging: A Review of the Magnes System of Biomagnetic Technologies Incorporated," Neurosurgery, vol. 33, No. 2, pp. 252-259, Aug. 1993.
7.		Bergström, Mats, et al., "Stereotaxic Computed Tomography," Am. J. Roentgenol, 127:167-170, 1976, pp. 167-170.
8.		Brack, et al., "Accurate X-ray Based Navigation in Computer-Assisted Orthopedic Surgery," CAR '98, pp. 716-722.
9.		BrainLAB advertising sheets, 26 pages unnumbered.
10.		Bucholz, Richard D. Bucholz, M.D., "Intraoperative Ultrasonic Brain Shift Monitor and Analysis," 2 pages unnumbered.
11.		Bucholz, Richard D., et al., "A Comparison of Sonic Digitizers Versus Light Emitting Diode-Based Localization," Interactive Image-Guided Neurosurgery, Chapter 16, pp. 179-220.
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14.		Bucholz, Richard D., M.D., et al., "The Correction of Stereotactic Inaccuracy Caused by Brain Shift Using an Intraoperative Ultrasound Device," CVRMed-MRCAS'97, First Joint Conference Computer Vision, Virtual Reality and Robotics in Medicine and Medical Robotics and Computer-Assisted Surgery, Grenoble, France, Mar. 19-22, 1997 Proceedings, pp. 459-466.
15.		Bucholz, Richard D.; Smith, Kurt R.; Henderson, Jaimie; McDurmont, Lee; Shulz, Dean; "Intraoperative Localization Using a Three Dimensional Optical Digitizer," SPIE vol. 1894, pp. 312-322.
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19.		Clinical Applications of Modern Imaging Technology, Jan. 17-19, 1993, vol. 1894, Los Angeles, CA; pp. 8-14; pp. 64-69; pp. 70-77; pp. 122-130; pp. 132-135; p. 148; pp. 149-160; pp. 187-199; pp. 206-215; pp. 216-228; pp. 229-247; pp. 248-259; pp. 260-277; pp. 279-291; pp. 292-299; pp. 300-311; pp. 312-322.
20.		Dever, Bill and S. James Zinreich, M.D., "OR Role Seen For 3-D Imaging," Radiology Today, 2 pages unnumbered, Feb. 1991.
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22.		Friets, et al., "A Frameless Stereotaxic Operating Microscope for Neurosurgery," IEEE Transactions on Biomedical Engineering, vol. 36, No. 6 (Jun. 1989), pp. 608, 617.
23.		Gallen, Christopher C., et al., "Intracranial Neurosurgery Guided by Functional Imaging," Surg. Neurol., vol. 42, pp. 523-530, 1994.
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